

State of Tennessee  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER RESOURCES  
William R. Snodgrass - Tennessee Tower  
312 Rosa L. Parks Avenue, 11<sup>th</sup> Floor  
Nashville, Tennessee 37243-1102

**MR. JUSTIN FREEARK  
PLANT MANAGER  
US NITROGEN LLC - AUSTIN POWDER  
471 POTTERTOWN ROAD  
MIDWAY, TN 37809**



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October 21, 2013

Mr. Justin Freeark  
US Nitrogen LLC  
Plant Manager  
e-copy: Justin.Freeark@austinpowder.com  
471 Pottertown Road  
Midway, TN 37809

Subject: **Incomplete Application (NOI) – Request for Additional Information**  
**NPDES Permit Tracking No. TN0081540**  
**US Nitrogen**  
**Mosheim, Greene County, Tennessee**

Dear Mr. Freeark:

Thank you for the Notice of Intent (NOI) for coverage under the general permit for Filter Backwash and Sedimentation Basin Wash Out Discharges from Water Treatment Plants (TNG640000) that we originally received from your consultant, Mr. Brian Martin with ENSAFE, on September 24, 2013. We also received the modified NOI, showing the new water withdrawal and discharge location, on October 18, 2013. We have reviewed the information that you provided and found that we will need additional information to continue processing your Notice of Intent. There were a few parts of the NOI that were vague and did not provide enough of an explanation to properly define permit conditions. Subpart 3.4 of the permit specifically lists the information that is required with all NOIs. Please provide specific information concerning the following items under this permit subpart:

6. A description of the plant, i.e. iron removal, manganese removal and/or turbidity removal; and a list of any additives used in the water treatment process, such as the type of coagulant, oxidizing enhancers, etc.;
10. The frequency and volume of discharges from the backwash settling basin to the stream; for new facilities, the expected frequency and volume (*batch, continuous*);
11. A description of how sludge from the settling processes are disposed, for example, landfill, land applied, etc.

Item 6 would include any chemicals or processing aids which may directly or indirectly come in contact with the process. Though this information may be provided in any way you see fit; for this facility and most of this information, your response may best be accomplished with a simple line drawing (process flow diagram) showing design process flows along with some notes on constituents being removed and chemicals being used in the water treatment process. You should also be aware that the issuance of this permit is contingent upon the approval of an ARAP permit for the withdrawal of the necessary water from Lick Creek.

If you have questions, please contact the division at your local Field Office at 1-888-891-TDEC; or, at this office, please contact Mr. Paul Higgins at (615) 532-1178 or by E-mail at *Paul.Higgins@tn.gov*.

Sincerely,

A handwritten signature in blue ink, appearing to read "V. Janjic".

Vojin Janjić  
Manager, Water-Based Systems

cc: Permit Section File  
Mr. Brian L. Martin, P.E., Senior Project Engineer, EnSafe Inc., [bmartin@ensafe.com](mailto:bmartin@ensafe.com)  
Ms. Hollie Binkley, Environmental Manager, US Nitrogen, LLC, [hollie.binkley@austinpowder.com](mailto:hollie.binkley@austinpowder.com)  
Mr. Robert Baker, Natural Resources Section, Nashville Central Office